

58. The method of claim 57 further comprising heating the tissue with the applied thermal energy to a temperature in the range of about 45 to 75°C.

59. The method of claim 57 further comprising heating the tissue with the applied thermal energy to a temperature in the range of about 50 to 70°C.

60. The method of claim 57 further comprising heating the tissue with the applied thermal energy to a temperature in the range of about 55 to 65°C.

61. The method of claim 57 wherein applying includes advancing a probe having an electrode to a surgical site containing the tissue.

62. The method of claim 61 further comprising deflecting a distal end of the probe.

63. The method of claim 62 further comprising moving a distal end of the probe over the tissue in painting strokes.

64. The method of claim 57 wherein the tissue comprises at least a portion of a medial side ligament of a patella.

65. The method of claim 57 wherein the tissue comprises at least a portion of a patella tendon allograft.

66. The method of claim 57 wherein modifying the geometry of the tissue includes increasing a cross-sectional diameter of collagen fibrils of the tissue and decreasing a longitudinal length of collagen protein molecules of the tissue.